

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (original): A method of processing data received from a submission interface and hosted at a client computing entity within a network, which data includes at least an interface identifier, a client identifier and client selection data, the method comprising the steps of:

generating an identifier for a session record of state for the client, the session record identifier being mapped to the client identifier;

selecting, on the basis of the interface identifier, a set of rules for transforming the client selection data, and implementing the selected rules to transform the client selection data; and

incorporating the transformed client selection data within the session record to which the transformed client selection data relates using at least one of the client identifier and the session record identifier to correlate the transformed client data with the session record.

2. (original): A method according to claim 2 wherein the submission interface includes at least one control which maps to a rule of the aforesaid set of rules.

3. (original): A method according to claim 1 further comprising the step of generating, from the session record, a further submission interface, and sending the further submission interface to the client.

4. (original): A method according to claim 3 further comprising the step of generating, from the session record, a further set of rules for transformation of further client selection data from the further submission interface.

5. (original): A method according to claim 3 further comprising the step of receiving further client selection data from the further submission interface, and further updating the session record following transformation of the further client selection data.

6. (original): A method according to claim 5 wherein a further client identifier accompanying the further client selection data is different to the client identifier accompanying the client original client selection data.

7. (original): A method according to claim 6 wherein the session record identifier is used to correlate the transformed further client selection data with the session record.

8. (original): A method of generating an XML document reflecting the state of a client's interaction with a server comprising the steps of:

dispatching to the client a submission interface with at least one control;

mapping an identifier for the submission interface to a set of rules for transforming client selection data generated by means of the at least one control from the submission interface;

upon receipt of the client selection data, identifying the set of rules which maps to the submission interface identifier;

applying the identified set of rules transform the client selection data; and

recording transformed client selection data to generate the aforesaid document.

9. (original): A method according to claim 8 further comprising the step of generating an identifier for a session of transactions with the client.

10. (original): A method according to claim 9 wherein generation of the session identifier takes place prior to transformation of the client selection data.

11. (original): A method according to claim 9 further comprising the step of using the session identifier to identify the XML session document.

12. (original): A method according to claim 8 further comprising the steps of:
using the document to generate a further submission interface and sending the further submission interface to the client;
transforming further client selection data from the further submission interface using a set of rules used to generate the further submission interface;
and incorporating the transformed further client selection data in the document.

13. (original): A method according to claim 8 further comprising the step of using a client identifier to map transformed client selection data to the document in order to update the document with the transformed client selection data.

14. (new): A program storage device, readable by a machine, tangibly embodying a program of instructions executable by the machine to perform a method of processing data received from a submission interface and hosted at a client computing entity within a network, the data including at least an interface identifier, a client identifier and client selection data, the method comprising:

generating an identifier for a session record of state for the client, the session record identifier being mapped to the client identifier;

selecting a set of rules for transforming the client selection data on the basis of the interface identifier;

transforming the client selection data by implementing the selected rules; and

correlating the transformed client data with the session record by incorporating the transformed client selection data within the session record to which the transformed client selection data relates using at least one of the client identifier and the session record identifier.

15. (new): The program storage device according to claim 14, further comprising mapping to one of the set of rules with at least one control included in the submission interface.

16. (new): The program storage device according to claim 14, the method further comprising generating a further submission interface from the session record, and sending the further submission interface to the client.

17. (new): The program storage device according to claim 16, the method further comprising generating a further set of rules from the session record, the further set of rules for transformation of further client selection data being from the further submission interface.

18. (new): The program storage device according to claim 16, the method further comprising receiving further client selection data from the further submission interface, and further updating the session record following transformation of the further client selection data.

19. (new): The program storage device according to claim 18, wherein a further client identifier accompanying the further client selection data is different from the client identifier accompanying the client original client selection data.

20. (new): The program storage device according to claim 19, further comprising correlating the transformed further client selection data with the session record by using the session record identifier.

21. (new): A program storage device, readable by a machine, tangibly embodying a program of instructions executable by the machine to perform a method of generating an Extensible Markup Language (XML) document reflecting the state of a client's interaction with a server comprising:

sending a submission interface with at least one control to the client;

mapping an identifier for the submission interface to a set of rules for transforming client selection data generated by the at least one control from the submission interface;

identifying the set of rules that maps to the submission interface identifier upon receipt of the client selection data;

applying the identified set of rules transform the client selection data; and

generating the XML document in response to the transformed client selection data.

22. (new): The program storage device according to claim 21, the method further comprising generating an identifier for a session of transactions with the client.

23. (new): The program storage device according to claim 22, wherein generation of the session identifier occurs prior to transformation of the client selection data.

24. (new): The program storage device according to claim 22, the method further comprising identifying the XML document using the session identifier.

25. (new): The program storage device according to claim 21, the method further comprising:

generating a further submission interface using the XML document and sending the further submission interface to the client;

transforming further client selection data from the further submission interface using a set of rules used to generate the further submission interface; and

incorporating the transformed further client selection data in the XML document.

26. (new): The program storage device according to claim 21, the method further comprising updating the XML document with the transformed client selection data by using a client identifier to map transformed client selection data to the document.